

ABSTRACT OF THE DISCLOSURE

A reaction solution to be used for image recording with an ink containing a coloring material in a dissolved or dispersed state in order to achieve
5 a high level of image density with stability, wherein the reaction solution contains a polyvalent metal ion and an organic solvent to destabilize the dissolved or dispersed state of the coloring material in the ink in contact with the ink, has a pH of 2 or higher,
10 and has a buffering action for pH, wherein the buffering action means it can maintain pH variation within the range of 0.5 before and after the addition of 1.0 ml of a 0.1 N aqueous lithium hydroxide solution to 50 ml of the reaction solution.